

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(354957)] LIEBHERR R918LC 053128-1721 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA 10W40



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH	LH0260746	LH0238807	LH0239155
Date d'échant.	19 Feb 2024	22 May 2023	18 Nov 2022	19 Aug 2022
Heures de la Machine	3908	2992	2436	1980
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

**Polyexcave Inc.**  
787 Ch. Du Moine  
St-Anne de Sorel, QC  
CA J3P 5N3  
Contact: Service Manager



#### ÉTAT D'HUILE

Visc 100°C	cSt	13.8	13.6	13.6	13.7
Oxydation (PA)	%	63	66	67	71

T:  
F:



#### CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	62	66	66	73
Sulfatation (PA)	%	54	56	58	59
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	10	11	22	7
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	0	0	1

#### Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### MÉTAUX D'USURE

Fer	ppm	11	12	10	12
Cuivre	ppm	1	1	2	3
Plomb	ppm	<1	<1	<1	<1
Étain	ppm	0	0	<1	<1
Aluminium	ppm	2	2	2	1
Chrome	ppm	<1	<1	<1	<1
Molybdène	ppm	61	64	60	61
Nickel	ppm	<1	<1	<1	<1
Titane	ppm	0	<1	<1	<1
Argent	ppm	0	0	0	0
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	1124	1223	1214	1113
Magnésium	ppm	1009	1040	987	1048
Zinc	ppm	1214	1263	1248	1288
Phosphore	ppm	1054	1135	1099	1049
Baryum	ppm	0	0	0	0
Bore	ppm	<1	<1	1	4

Depot: POLSTA  
Unique No: 5736034  
Signed: Wes Davis  
Report Date: 29 Feb 2024



### GRAPHS

